MSN Editorial Index for 1980

Listed are articles that appeared in the 12 issues (January through December) constituting Volume 10 of *Microwave Systems News.*

CF—Cover Feature
F—Forecast
IR—International Report
MR—Microwave Review
PF—Product Feature
SR—Staff Report
TA—Technical Article
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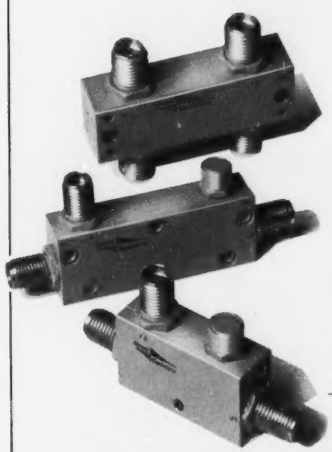
Low-Cost Hybrid & Directional Couplers



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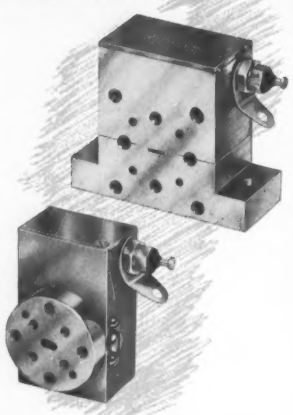

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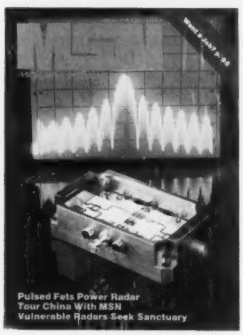

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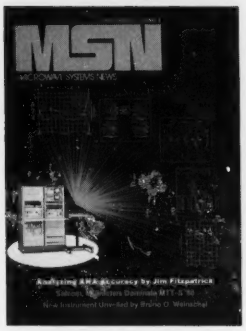

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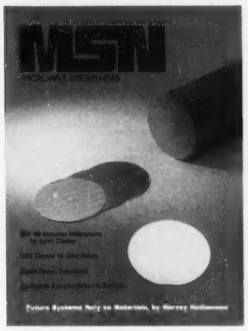

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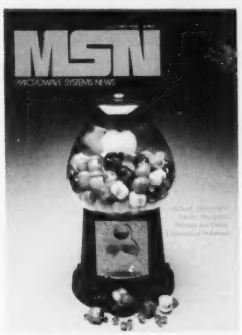

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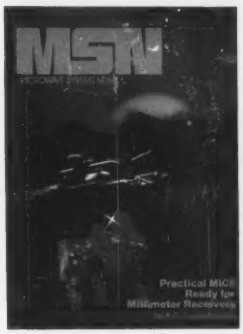

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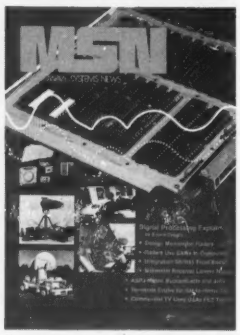

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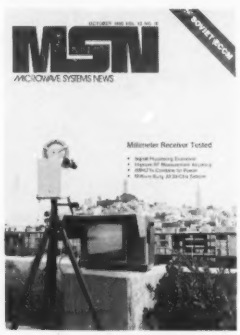

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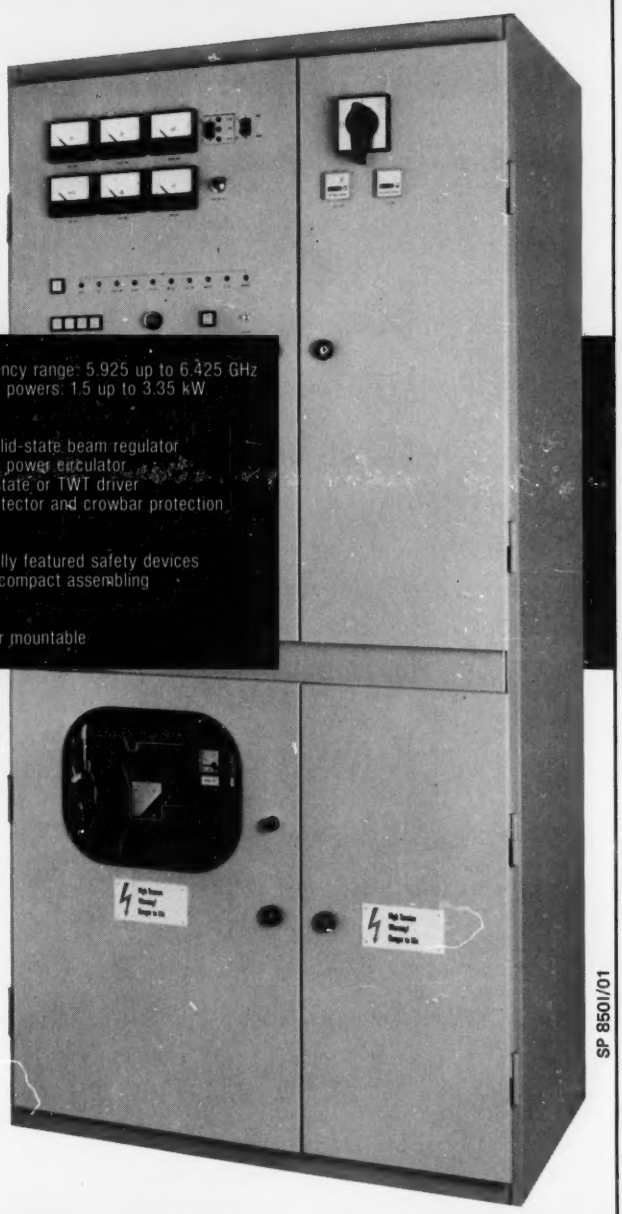
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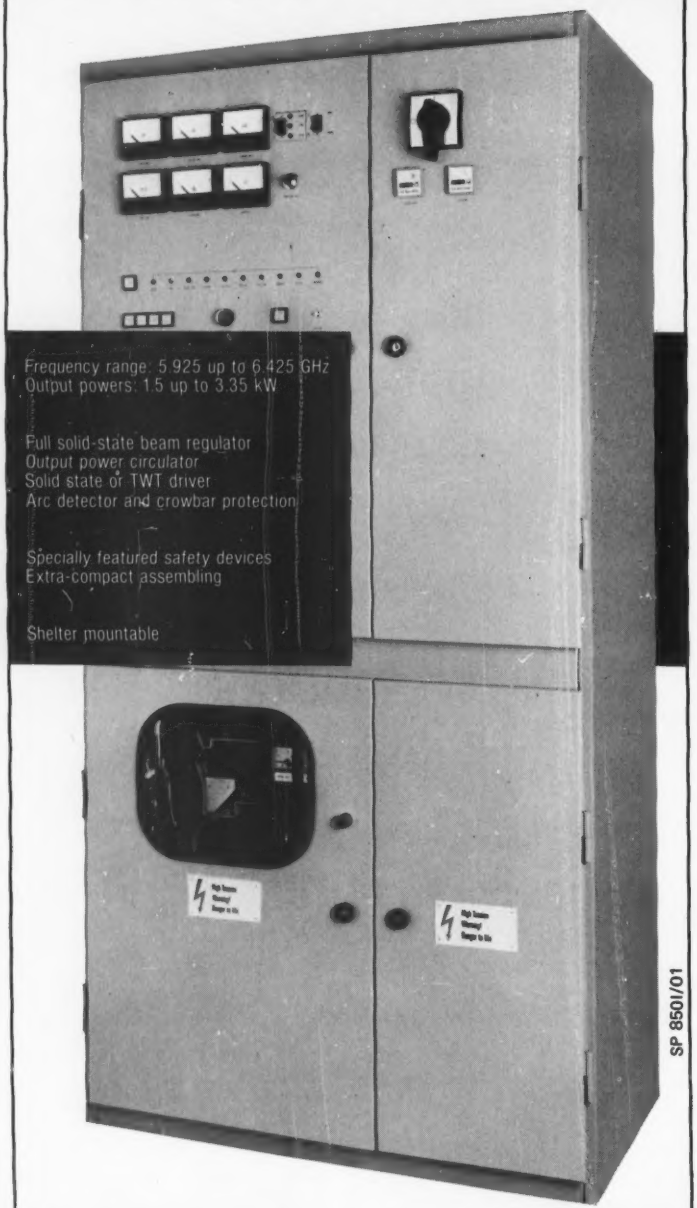
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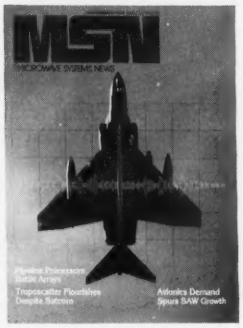

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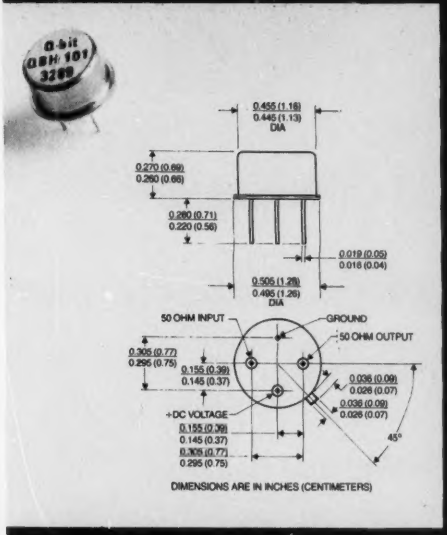
Q-bit Adds Power Feedback™ Technology to Hybrid Amplifiers



- 12.5 dB Gain
- 2.5 dB Noise Figure
- High Reverse Isolation
- Low In/Out VSWR
- TO-8 Housing

FREQUENCY MHZ	INPUT RETURN (S11) DB	ANG	GAIN FORWARD (S21) DB	ANG	ISOLATION REVERSE (S12) DB	ANG	OUTPUT RETURN (S22) DB	ANG
			QBH-101 @ 15VDC					
5.000	-37.9	-62.1	12.37	-172.1	-43.33	37.7	-20.1	107.7
55.000	-36.4	69.7	12.65	167.8	-41.74	16.1	-34.0	51.8
105.000	-30.7	59.7	12.63	154.7	-40.26	21.0	-34.4	38.7
155.000	-27.7	48.2	12.63	141.4	-38.85	21.9	-33.2	28.9
205.000	-26.2	37.1	12.66	128.6	-37.63	20.4	-32.7	16.3
255.000	-25.4	28.4	12.59	115.7	-36.41	17.4	-32.5	1.4
305.000	-25.2	21.6	12.61	102.6	-35.41	12.6	-34.0	-21.8
355.000	-25.4	18.4	12.62	89.1	-34.60	6.8	-35.2	-55.6
405.000	-25.7	20.9	12.67	75.1	-34.00	-0.4	-34.9	-116.8
455.000	-24.9	27.2	12.66	60.7	-33.62	-8.4	-30.5	-159.5
505.000	-22.7	34.9	12.62	45.5	-33.27	-18.0	-25.2	167.2

U.S. Patent 4,042,887

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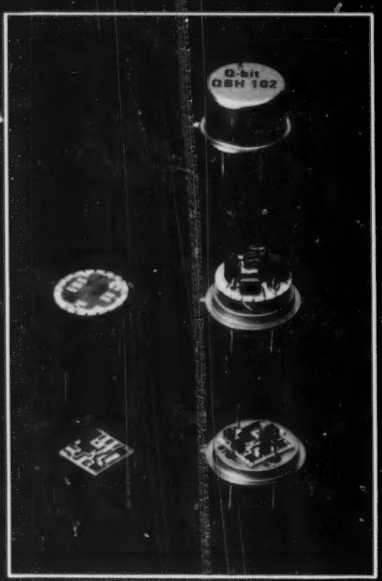

- +22 dBm Compression
- 11.5 dB Gain
- +35 dBm 3rd IMD
- High Reverse Isolation
- Low In/Out VSWR
- TO-8 Housing

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			QBH-102 @ 15VDC					
5.000	-29.7	56.6	11.38	-173.6	-36.93	32.7	-20.6	98.6
55.000	-28.8	-29.2	11.65	163.6	-36.25	19.9	-24.4	14.5
105.000	-27.1	-66.4	11.72	146.9	-34.08	25.8	-23.4	-1.0
155.000	-25.6	-96.3	11.73	129.9	-32.05	25.4	-22.5	-15.0
205.000	-23.9	-121.8	11.66	113.4	-30.23	21.7	-22.3	-29.2
255.000	-22.6	-144.6	11.68	96.9	-28.82	15.1	-22.1	-40.3
305.000	-21.3	-165.9	11.59	80.2	-27.62	7.5	-22.6	-49.9
355.000	-20.5	174.8	11.62	63.3	-26.69	-0.8	-22.4	-52.6
405.000	-19.5	156.2	11.57	46.2	-26.00	-9.9	-22.1	-50.7
455.000	-18.8	139.7	11.57	28.8	-25.41	-18.8	-19.6	-49.1
505.000	-17.8	121.7	11.64	10.5	-25.05	-28.3	-16.7	-51.7

U.S. Patent 4,042,887

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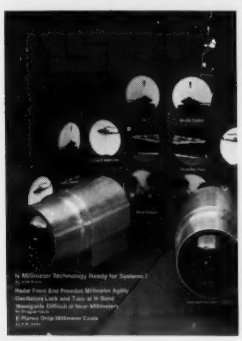

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